

# Audio and Video Equipment Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



# Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
334310, Audio and video equipment manufacturing .....	2002..	541	566	24 898	937 560	15 283	29 824	385 640	3 037 708	5 355 236	8 397 169	194 791
	2001..	N	N	27 142	962 979	17 563	34 548	423 800	3 143 007	5 638 530	8 941 542	256 392
	2000..	N	N	28 692	975 307	19 002	36 411	449 931	3 221 225	6 113 003	9 178 482	187 965
	1999..	N	N	29 760	990 808	20 266	37 712	480 172	2 854 957	6 152 890	8 927 205	174 760
	1998..	N	N	32 373	958 676	22 957	43 781	514 022	2 663 022	5 588 525	8 326 538	167 144
	1997..	521	551	30 306	918 069	20 684	40 461	463 377	2 372 815	5 825 578	8 226 685	207 897

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>334310, Audio and video equipment manufacturing</b>												
United States .....	—	566	162	24 898	937 560	15 283	29 824	385 640	3 037 708	5 355 236	8 397 169	194 791
Arizona .....	7	13	3	285	10 484	167	355	3 858	86 133	33 144	118 274	964
Arkansas .....	—	7	6	1 432	41 768	1 044	1 986	22 118	122 422	460 107	591 933	8 293
California .....	3	156	50	5 230	197 411	3 190	6 449	80 397	532 557	429 909	962 915	28 546
Connecticut .....	4	10	2	294	13 314	169	351	4 464	27 129	27 825	53 469	2 885
Florida .....	1	30	7	684	27 412	319	673	7 985	102 291	69 728	173 030	3 350
Illinois .....	—	24	10	1 518	65 219	753	1 455	19 630	193 917	373 460	563 180	8 276
Indiana .....	—	15	5	1 276	56 717	704	1 401	15 133	183 973	304 390	492 690	20 352
Massachusetts .....	1	18	7	924	37 112	517	1 050	13 876	246 281	117 716	367 233	10 581
Michigan .....	—	14	5	829	25 002	477	674	10 699	108 815	122 576	231 183	3 097
Minnesota .....	2	10	4	222	7 769	129	259	3 142	12 820	14 114	27 000	1 046
New Jersey .....	2	14	1	212	7 917	99	186	2 302	13 857	21 211	34 779	504
New Mexico .....	—	6	2	173	7 539	108	235	3 610	17 634	11 915	29 527	325
New York .....	2	34	5	623	21 080	382	758	9 537	38 695	55 246	91 550	2 226
North Carolina .....	4	13	3	196	6 204	145	294	3 510	12 986	18 370	32 052	949
Tennessee .....	—	8	3	2 221	77 119	1 702	3 246	47 445	196 089	898 231	1 096 967	9 282
Texas .....	2	23	7	440	15 799	260	567	6 958	24 375	42 206	65 713	1 430
Wisconsin .....	—	11	4	327	9 759	208	423	3 430	32 206	23 627	58 425	1 385

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>334310, Audio and video equipment manufacturing</b>	
Companies <sup>1</sup> .....	number.. 541
All establishments <sup>2</sup> .....	number.. 566
Establishments with 1 to 19 employees .....	number.. 404
Establishments with 20 to 99 employees .....	number.. 106
Establishments with 100 employees or more .....	number.. 56
All employees <sup>3</sup> .....	number.. 24 898
Total compensation .....	\$1,000.. 1 147 876
Annual payroll .....	\$1,000.. 937 560
Total fringe benefits .....	\$1,000.. 210 316
Production workers, average for year .....	number.. 15 283
Production workers on March 12 .....	number.. 15 140
Production workers on May 12 .....	number.. 14 721
Production workers on August 12 .....	number.. 15 672
Production workers on November 12 .....	number.. 15 583
Production worker hours .....	1,000.. 29 824
Production worker wages .....	\$1,000.. 385 640
Total cost of materials .....	\$1,000.. 5 355 236
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 4 691 538
Resales .....	\$1,000.. 570 727
Purchased fuels .....	\$1,000.. 5 101
Purchased electricity .....	\$1,000.. 28 848
Contract work .....	\$1,000.. 59 022
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 563 777
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 8 397 169
Primary products value of shipments .....	\$1,000.. 7 545 940
Secondary products value of shipments .....	\$1,000.. 183 015
Total miscellaneous receipts .....	\$1,000.. 668 214
Value of resales .....	\$1,000.. 651 308
Contract receipts .....	\$1,000.. -
Other miscellaneous receipts .....	\$1,000.. 16 906
Primary products specialization ratio .....	percent.. 98
Value of primary products shipments made in all industries .....	\$1,000.. 8 439 257
Value of primary products shipments made in this industry .....	\$1,000.. 7 545 940
Value of primary products shipments made in other industries .....	\$1,000.. 893 317
Coverage ratio .....	percent.. 89
Value added .....	\$1,000.. 3 037 708
Total inventories, beginning of year .....	\$1,000.. 829 029
Finished goods inventories .....	\$1,000.. 319 735
Work-in-process inventories .....	\$1,000.. 81 271
Materials and supplies inventories .....	\$1,000.. 428 023
Total inventories, end of year .....	\$1,000.. 772 632
Finished goods inventories .....	\$1,000.. 296 984
Work-in-process inventories .....	\$1,000.. 99 797
Materials and supplies inventories .....	\$1,000.. 375 851
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 1 855 349
Total capital expenditures (new and used) .....	\$1,000.. 194 791
Buildings and other structures (new and used) .....	\$1,000.. 38 511
Machinery and equipment (new and used) .....	\$1,000.. 156 280
Automobiles, trucks, etc., for highway use .....	\$1,000.. 7 536
Computers and peripheral data processing equipment .....	\$1,000.. 22 112
All other expenditures for machinery and equipment .....	\$1,000.. 126 632
Total retirements .....	\$1,000.. 125 109
Gross value of depreciable assets at end of year .....	\$1,000.. 1 925 031
Depreciation charges during year .....	\$1,000.. 224 760
Total rental payments .....	\$1,000.. 79 811
Buildings and other structures .....	\$1,000.. 47 591
Machinery and equipment .....	\$1,000.. 32 220
Total other expenses <sup>4</sup> .....	\$1,000.. 302 272
Response coverage ratio <sup>5</sup> .....	percent.. 68
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 15 615
Communications services <sup>4</sup> .....	\$1,000.. 7 225
Legal services <sup>4</sup> .....	\$1,000.. 10 022
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 2 670
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 29 278
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 5 084
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 2 229
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 14 003
Taxes and license fees <sup>4</sup> .....	\$1,000.. 21 893
All other expenses <sup>4</sup> .....	\$1,000.. 194 254

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
334310, Audio and video equipment manufacturing											
All establishments .....	—	566	24 898	937 560	15 283	29 824	385 640	3 037 708	5 355 236	8 397 169	194 791
Establishments with—											
1 to 4 employees .....	9	248	528	18 718	370	681	8 330	37 310	45 869	83 243	2 861
5 to 9 employees .....	9	70	476	18 553	337	682	8 059	36 723	47 580	84 677	2 892
10 to 19 employees .....	6	86	1 114	44 783	734	1 460	17 993	106 567	112 757	219 760	6 257
20 to 49 employees .....	2	67	2 095	75 523	1 230	2 344	29 004	178 178	201 948	377 498	7 894
50 to 99 employees .....	2	39	2 910	108 949	1 664	3 280	37 593	330 745	247 106	577 523	11 355
100 to 249 employees .....	—	36	5 637	195 534	3 403	6 891	83 218	844 362	919 555	1 767 327	40 295
250 to 499 employees .....	—	9	3 122	116 304	1 756	3 501	49 659	253 018	825 697	1 075 874	34 648
500 to 999 employees .....	—	10	i	D	D	D	D	D	D	D	D
1,000 to 2,499 employees .....	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	345	1 620	60 549	1 187	2 322	27 117	124 189	162 037	286 206	10 271

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
334310	Audio and video equipment manufacturing .....	566	24 898	937 560	15 283	29 824	385 640	3 037 708	5 355 236	8 397 169	194 791
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations .....	14	2 010	87 308	1 063	2 150	26 861	249 837	828 996	1 077 365	29 476
3343102	Television receivers, including combination models .....	12	5 448	192 984	3 950	7 621	108 641	489 836	2 762 601	3 241 601	34 947
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment .....	88	9 724	376 198	5 523	11 009	138 043	1 025 030	1 023 009	2 066 717	52 398
3343105	Other consumer audio and video equipment, including audio and video recorders and players (camcorders) .....	50	4 844	169 809	2 764	4 963	63 552	1 020 888	485 398	1 505 682	60 672

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
334310	Audio and video equipment manufacturing .....	N	X	X	8 439 257
	1997..	N	X	X	8 465 285
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations .....	N	X	X	1 276 315
	1997..	N	X	X	992 601
33431011	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations .....	N	X	X	1 276 315
	1997..	N	X	X	992 601
3343101100	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations <sup>1</sup> .....	23	X	X	1 276 315
	1997..	24	X	X	992 601
3343102	Television receivers, including combination models .....	N	X	X	3 351 933
	1997..	N	X	X	4 375 014
33431021	Television receivers, including combination models .....	N	X	X	3 351 933
	1997..	N	X	X	4 375 014
3343102100	Television receivers, including combination models <sup>1</sup> .....	13	X	X	3 351 933
	1997..	14	X	X	4 375 014
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment .....	N	X	X	1 769 490
	1997..	N	X	X	2 156 074
33431041	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment .....	N	X	X	1 769 490
	1997..	N	X	X	2 156 074
3343104100	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment <sup>1</sup> .....	101	X	X	1 769 490
	1997..	127	X	X	2 156 074
3343105	Other consumer audio and video equipment, including audio and video recorders and players (camcorders) .....	N	X	X	1 638 425
	1997..	N	X	X	N
33431051	Other consumer audio and video equipment, including audio and video recorders and players (camcorders) .....	N	X	X	1 638 425
	1997..	N	X	X	N
3343105100	Other consumer audio and video equipment, including audio and video recorders and players (camcorders) <sup>1</sup> .....	83	X	X	1 638 425
	1997..	N	X	X	N
334310W	Audio and video equipment manufacturing, nsk, total .....	N	X	X	403 094
	1997..	N	X	X	235 405
334310WY	Audio and video equipment manufacturing, nsk, total .....	N	X	X	403 094
	1997..	N	X	X	235 405
334310WYWW	Audio and video equipment manufacturing, nsk, for nonadministrative-record establishments .....	N	X	X	139 136
	1997..	N	X	X	55 197
334310WYWY	Audio and video equipment manufacturing, nsk, for administrative-record establishments .....	N	X	X	263 958
	1997..	N	X	X	180 208

<sup>1</sup>For additional detail, see Current Industrial Report MA334M, Consumer Electronics.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations	
	United States ..... 2002 ..	1 276 315
	..... 1997 ..	992 601
3343102	Television receivers, including combination models	
	United States ..... 2002 ..	3 351 933
	..... 1997 ..	4 375 014
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment	
	United States ..... 2002 ..	1 769 490
	..... 1997 ..	2 156 074
	Arkansas ..... 2002 ..	86 482
	..... 1997 ..	42 550
	California ..... 2002 ..	349 031
	..... 1997 ..	399 324
	Florida ..... 2002 ..	60 594
	..... 1997 ..	32 944
	Illinois ..... 2002 ..	195 088
	..... 1997 ..	233 876
	Massachusetts ..... 2002 ..	281 000
	..... 1997 ..	352 409
	New Mexico ..... 2002 ..	26 630
	..... 1997 ..	N
	New York ..... 2002 ..	15 675
	..... 1997 ..	6 241
	Texas ..... 2002 ..	42 823
	..... 1997 ..	N
3343105	Other consumer audio and video equipment, including audio and video recorders and players (camcorders)	
	United States ..... 2002 ..	1 638 425
	..... 1997 ..	N
	California ..... 2002 ..	221 340
	..... 1997 ..	N
	Illinois ..... 2002 ..	44 680
	..... 1997 ..	N
	Massachusetts ..... 2002 ..	47 670
	..... 1997 ..	N
	Minnesota ..... 2002 ..	25 789
	..... 1997 ..	N
	New York ..... 2002 ..	30 115
	..... 1997 ..	N
	Texas ..... 2002 ..	2 084
	..... 1997 ..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
334310	Audio and video equipment manufacturing		
00900001	Total materials .....2002..	X	4 691 538
	.....1997..	X	5 336 937
33172000	Cabinets (wood, metal, and plastics) .....2002..	X	221 008
	.....1997..	X	258 430
33431003	Tuners .....2002..	X	17 927
	.....1997..	X	47 708
33431007	Speakers and speaker systems .....2002..	X	283 931
	.....1997..	X	253 561
33441101	Cathode ray picture tubes .....2002..	X	997 487
	.....1997..	X	986 893
33441200	Printed circuit boards (without inserted components) for electronic circuitry .....2002..	X	162 139
	.....1997..	X	184 160
001900C4	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components) .....2002..	X	376 438
	.....1997..	X	126 799
33441300	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits), for electronic circuitry .....2002..	X	105 734
	.....1997..	X	165 807
33441400	Capacitors for electronic circuitry .....2002..	X	73 384
	.....1997..	X	86 026
33441500	Resistors for electronic circuitry .....2002..	X	15 552
	.....1997..	X	28 848
001900D3	All other miscellaneous components and accessories, for electronic circuitry (excluding tubes) .....2002..	X	254 271
	.....1997..	X	139 771
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	223 211
	.....1997..	X	180 127
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	43 758
	.....1997..	X	67 042
33593101	Current-carrying wiring devices .....2002..	X	62 031
	.....1997..	X	273 551
332000AC	Metal stampings .....2002..	X	13 752
	.....1997..	X	50 373
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	14 751
	.....1997..	X	25 840
33200085	All other fabricated metal products (excluding forgings) .....2002..	X	36 832
	.....1997..	X	22 394
33210000	Forgings .....2002..	X	2 510
	.....1997..	X	N
33100035	Castings, rough and semifinished .....2002..	X	D
	.....1997..	X	D
33120001	Steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	4 543
	.....1997..	X	9 124
331000AJ	Nonferrous metal shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	D
331000A7	Insulated wire and cable (including magnet wire) .....2002..	X	28 625
	.....1997..	X	32 662
33441900	Liquid crystal display screens (LCD), including LED .....2002..	X	33 611
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	407 926
	.....1997..	X	531 450
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	1 296 944
	.....1997..	X	1 847 264

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.